

# **OE ENERGY MARKET SNAPSHOT**

## **Midwest States Version – August 2007 Data**

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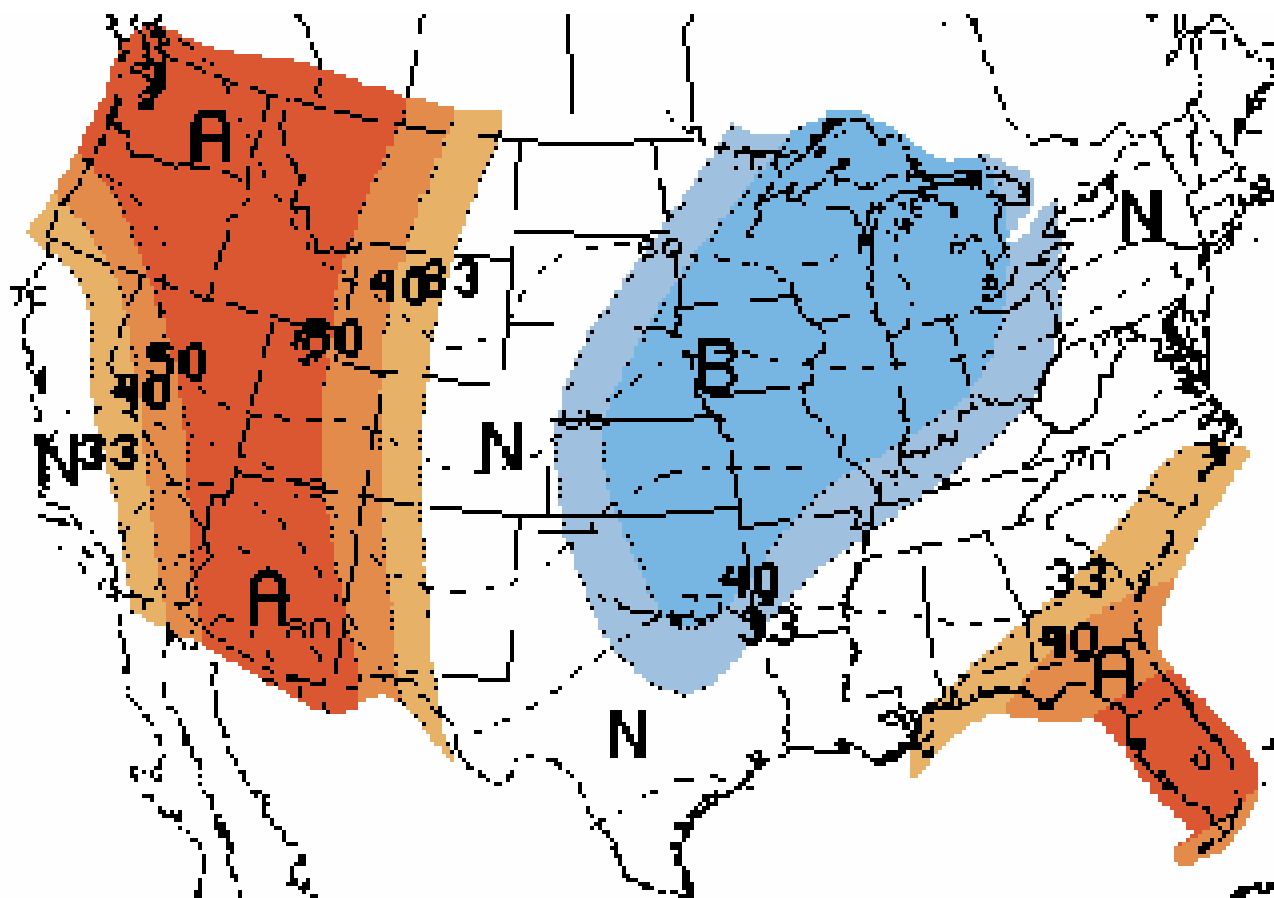
- **Market Fundamentals**
- **Prices and Market Analysis**

Office of Enforcement  
Federal Energy Regulatory Commission  
September 2007

A decorative graphic consisting of several red lines. A vertical line on the left side is intersected by a horizontal line that spans across the page. The lines have a slight blur or motion effect.

# Market Fundamentals

## NOAA's 8 to 14 Day Temperature Forecast Made September 6, Valid for September 14-20, 2007



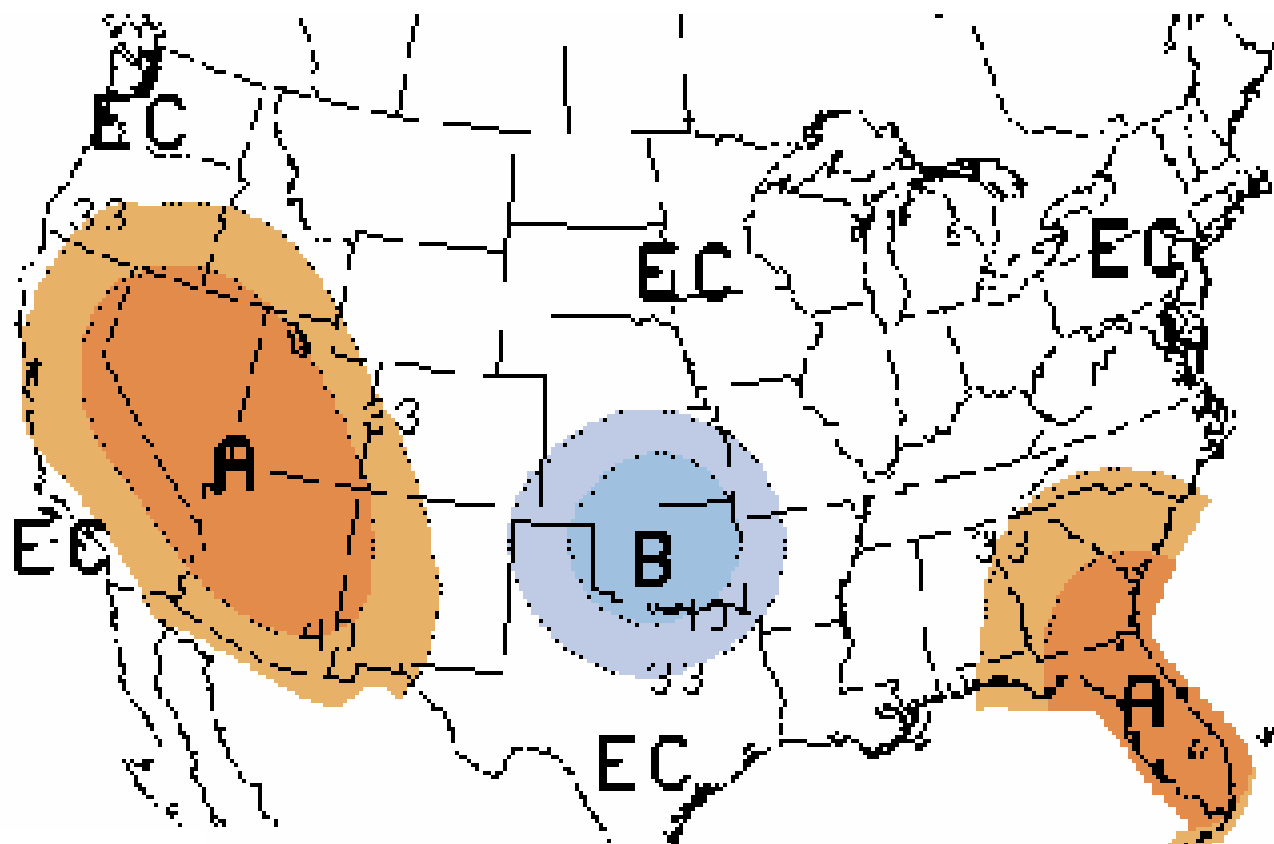
Note: "A" areas are above normal and "B" areas are below normal.

Source: NOAA

Updated September 7, 2007

3012

## NOAA's Monthly Temperature Forecast Made August 31, Valid for September 2007



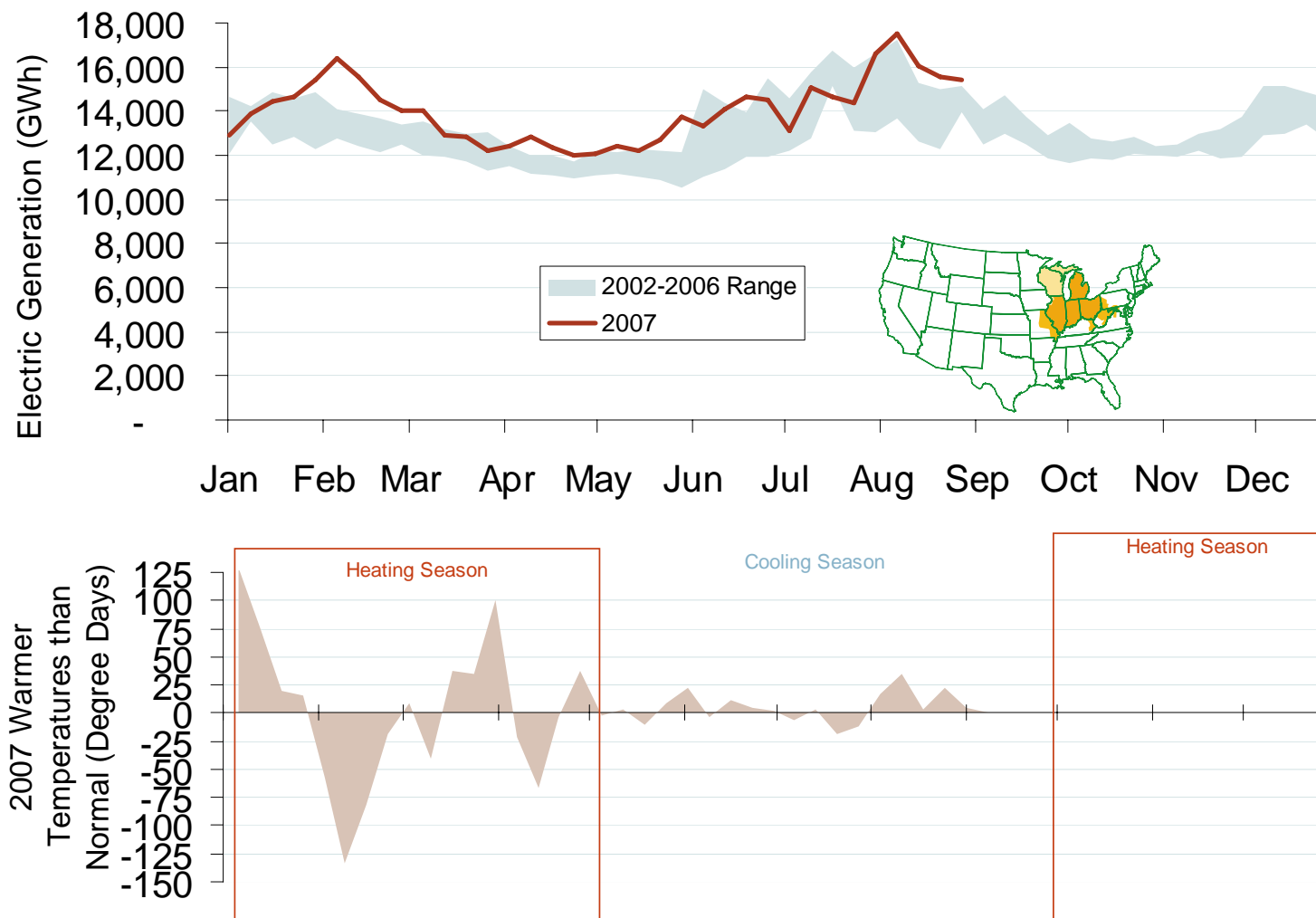
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance.

Source: NOAA

Updated September 7, 2007

3012

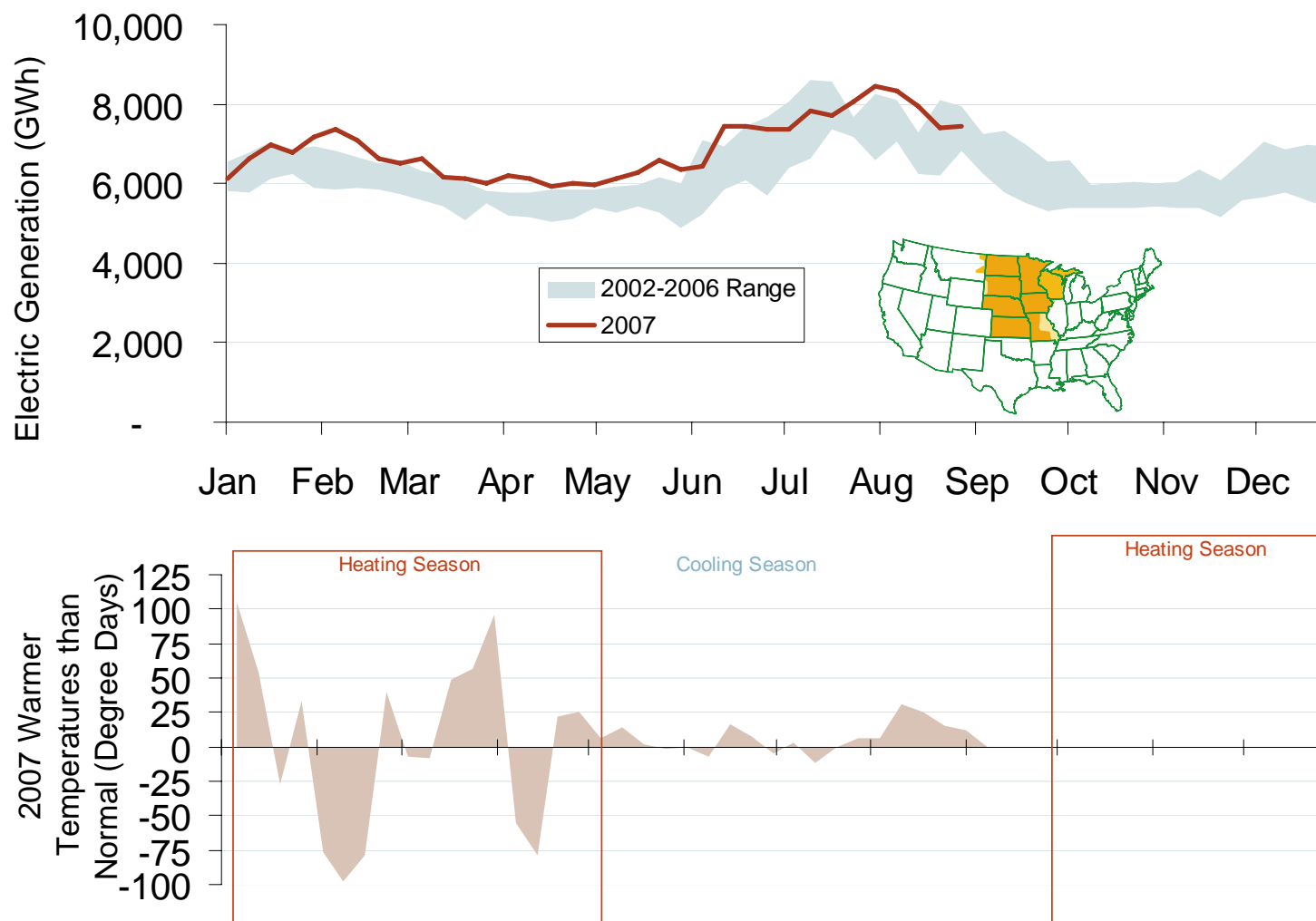
## Weekly Electric Generation Output and Temperatures Central Industrial Region



Source: Derived from *EEl* and *NOAA* data.

Updated September 7, 2007 1115

## Weekly Electric Generation Output and Temperatures West Central Region

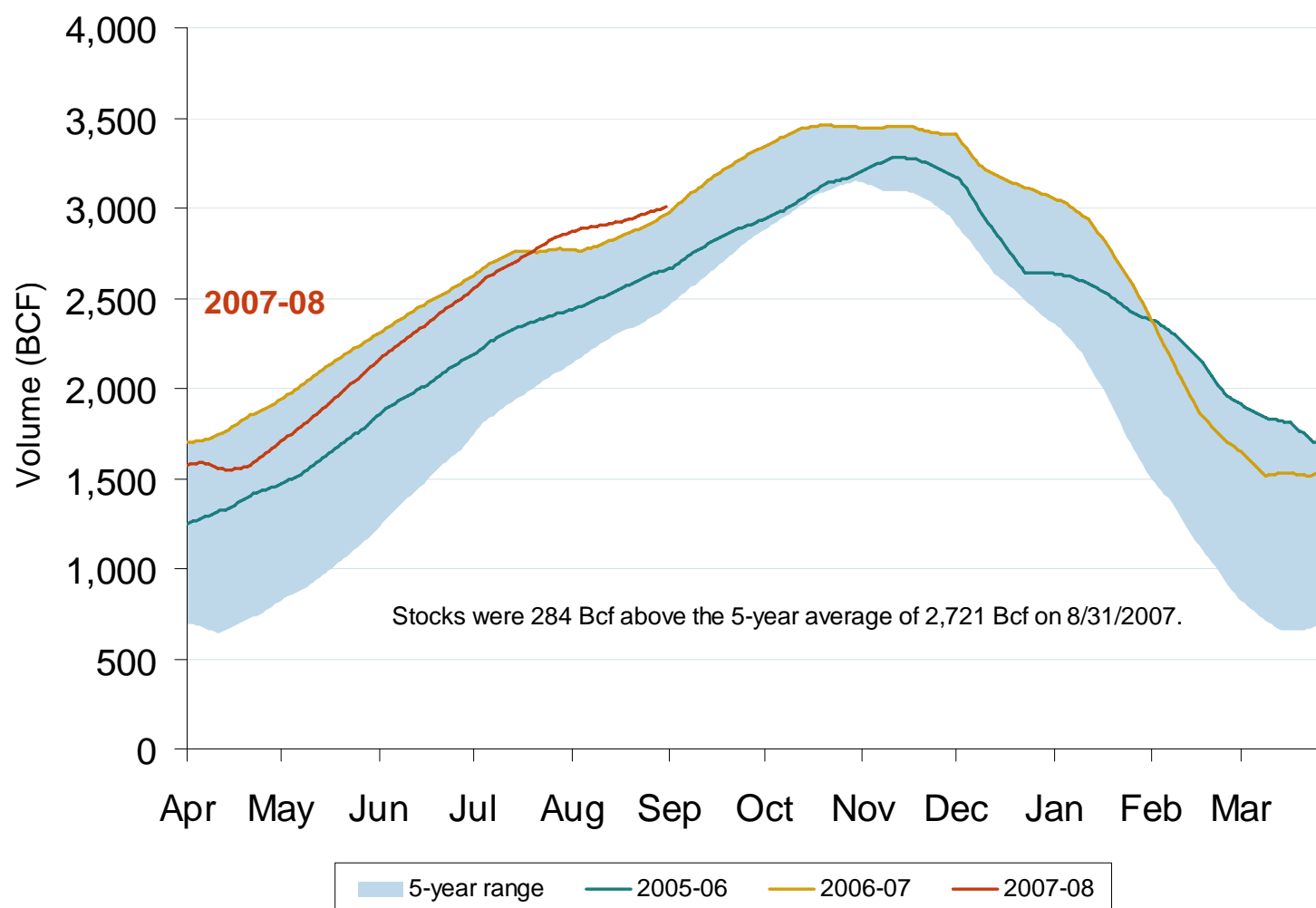


Source: Derived from *EEI* and *NOAA* data.

Updated September 7, 2007

1116

## Total U.S. Working Gas in Storage

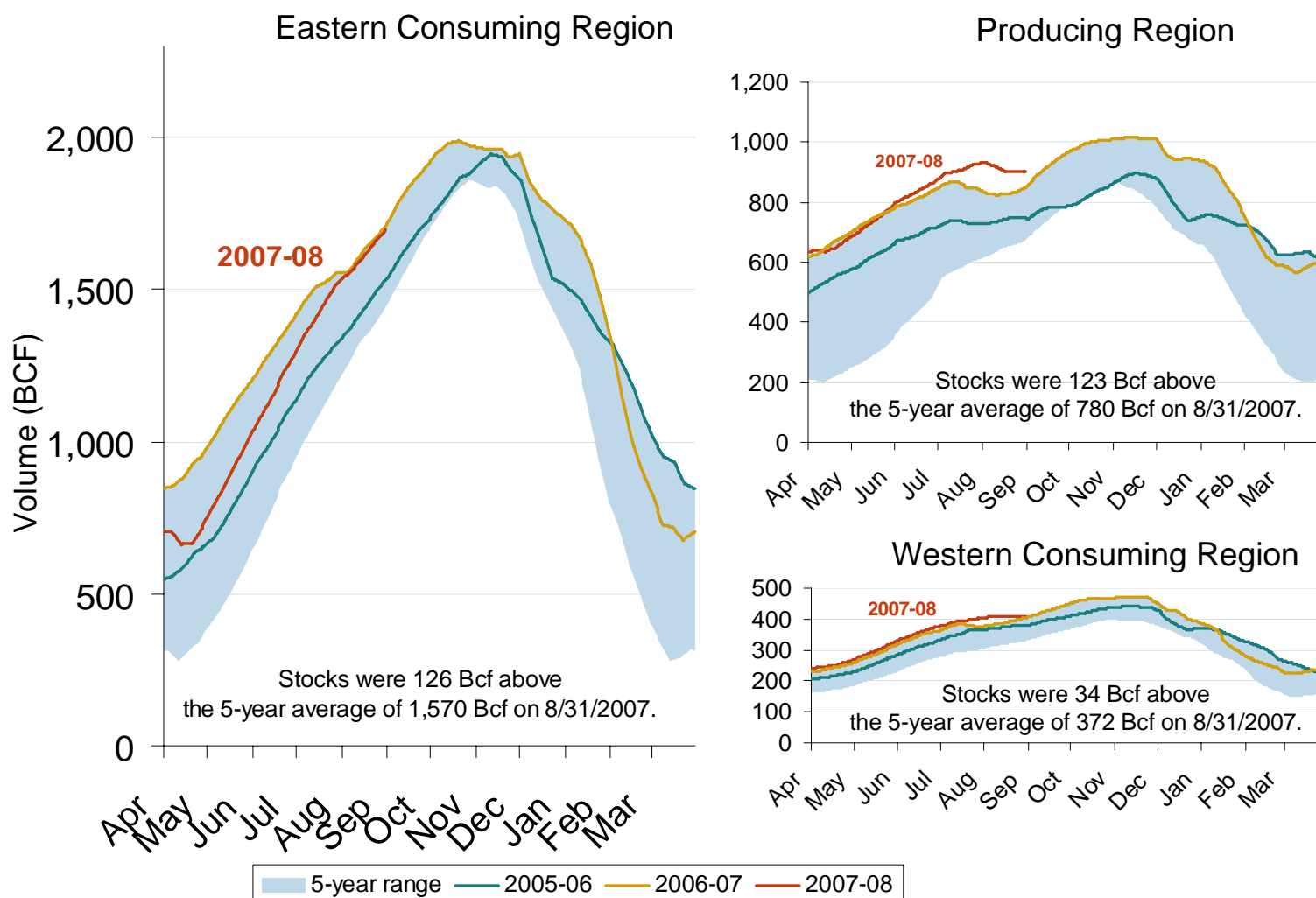


Source: Derived from EIA data.

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2003

## Regional Totals of Working Gas in Storage



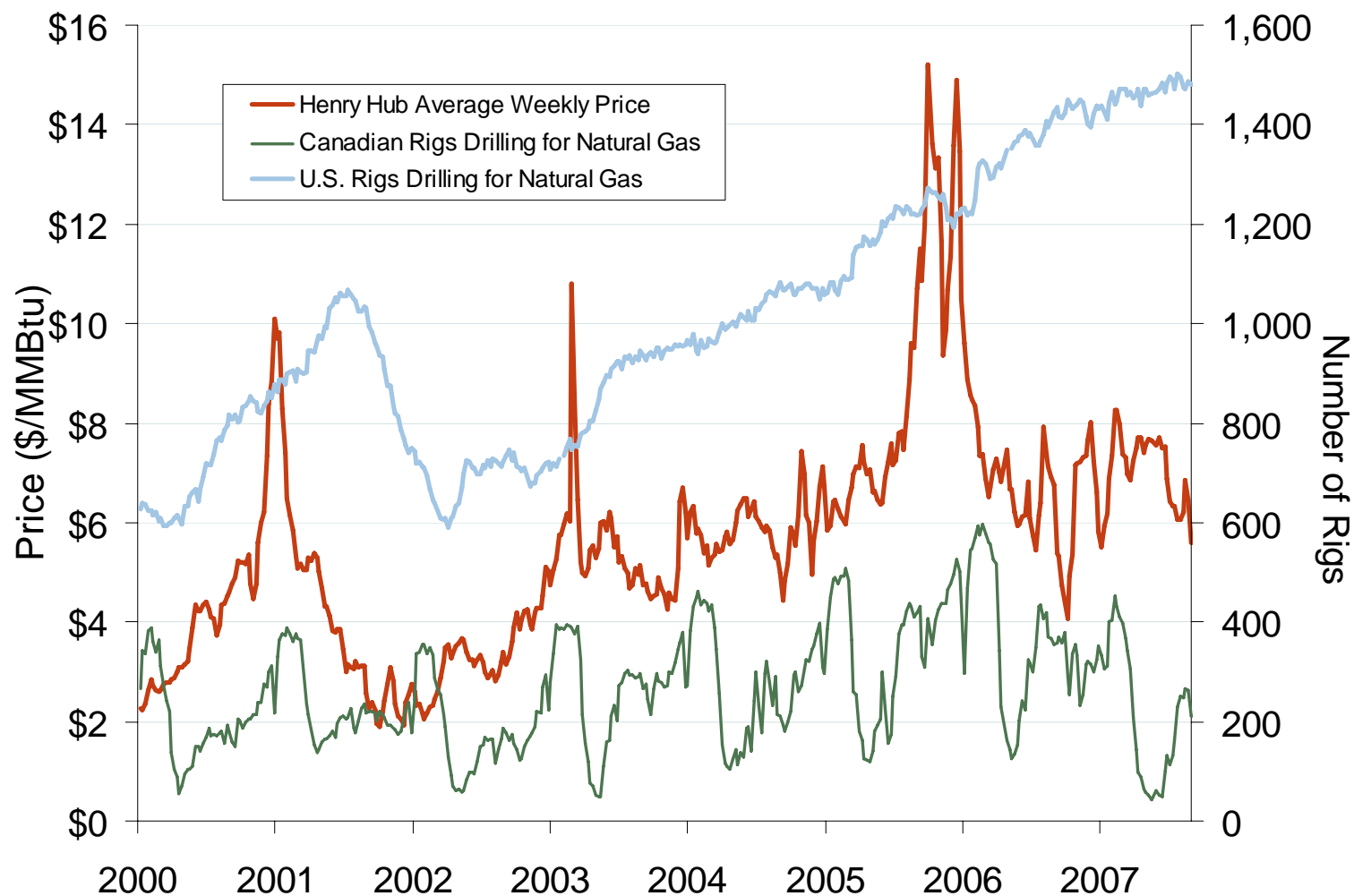
Source: Derived from EIA data.

Updated September 7, 2007

2004



## U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data.

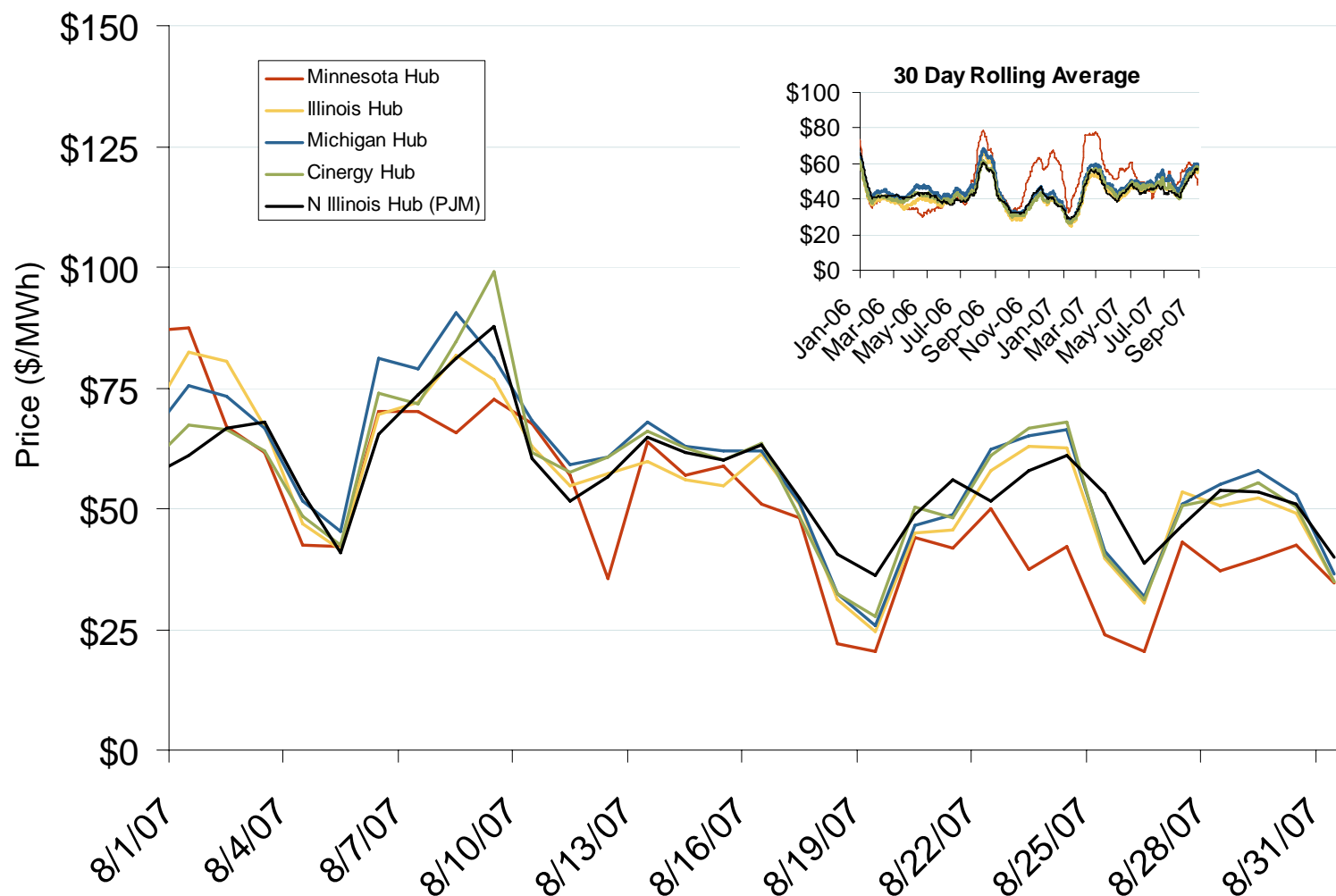
Updated September 7, 2007

2007

A decorative graphic consisting of several red lines. A vertical line on the left side is intersected by three horizontal lines, creating a cross-like shape. The lines have a slight blur or motion effect.

# Prices and Market Analysis

## Daily Average of MISO Day-Ahead Prices - All Hours

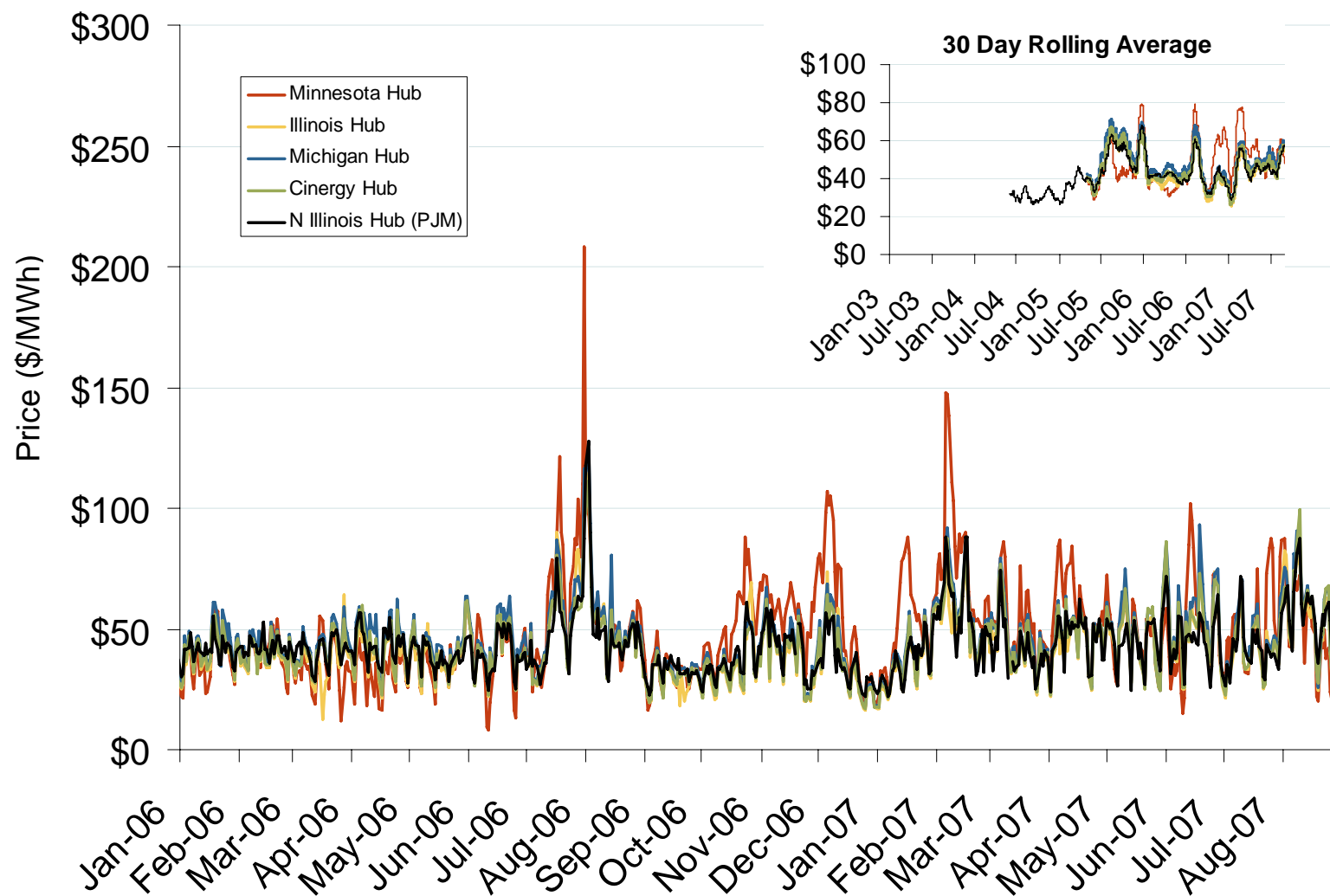


Source: Derived from MISO data.

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1128

## Daily Average of MISO Day-Ahead Prices - All Hours

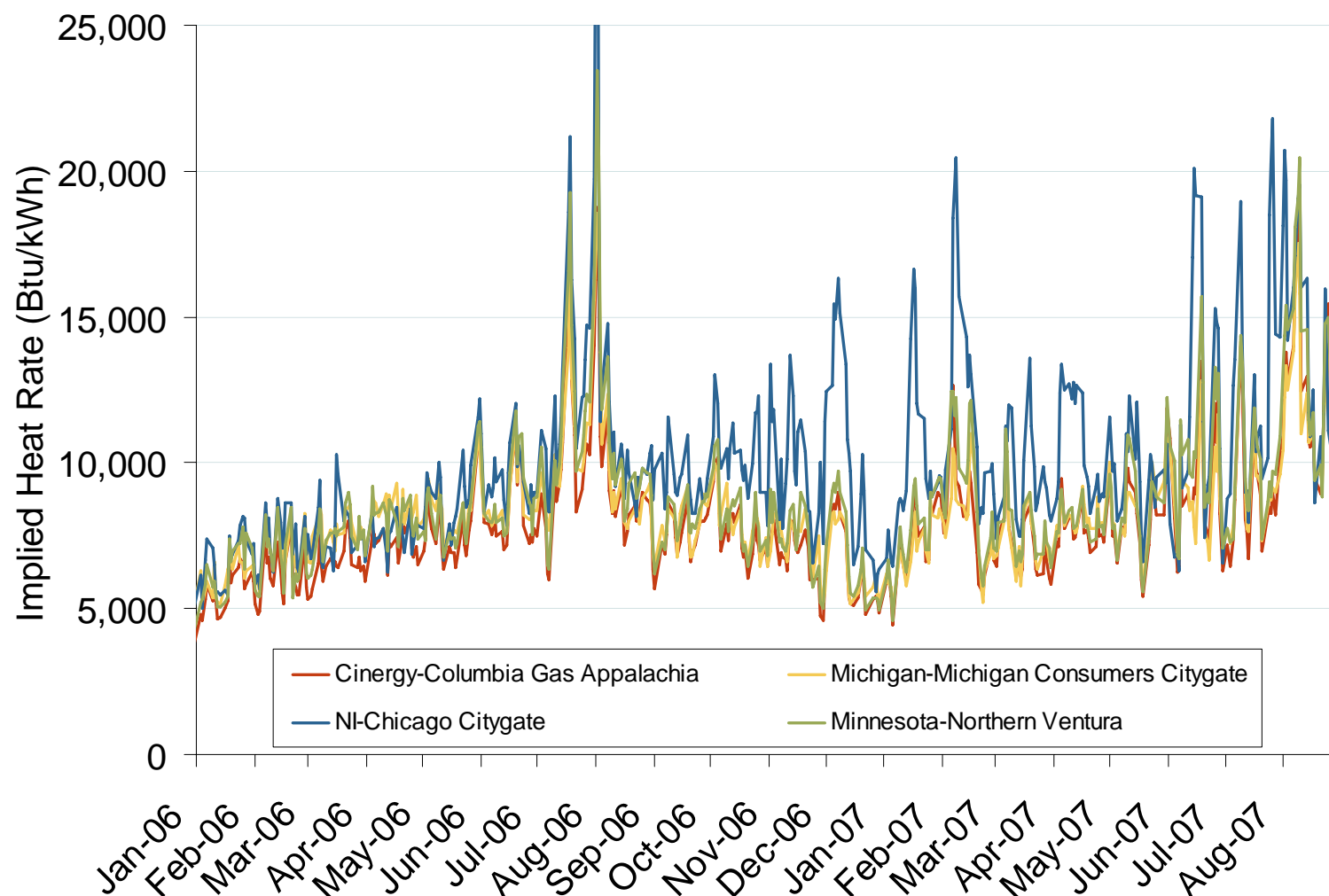


Source: Derived from MISO data.

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1013

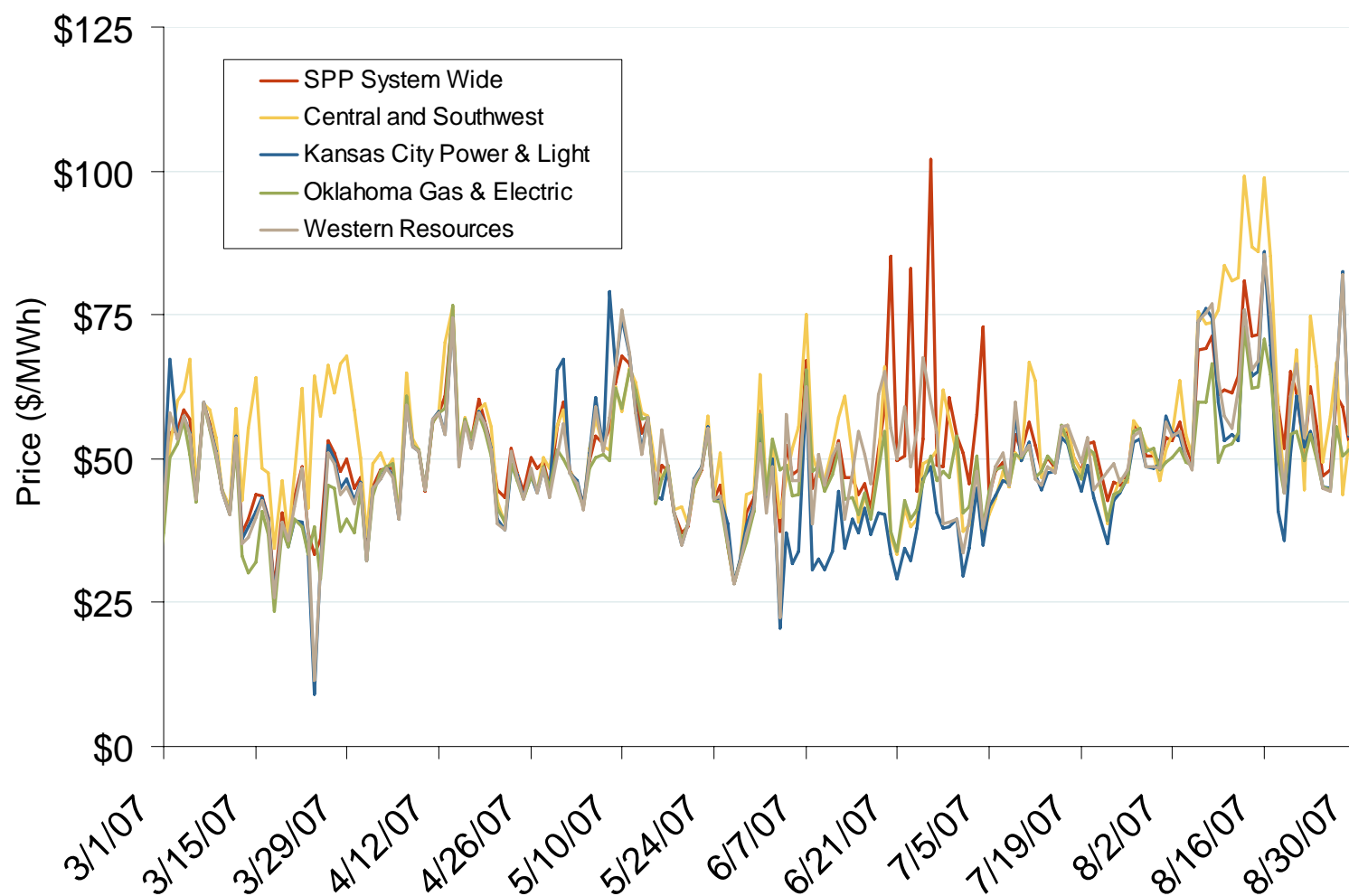
## Implied Heat Rates at MISO Hubs

Source: Derived from *Platts* data

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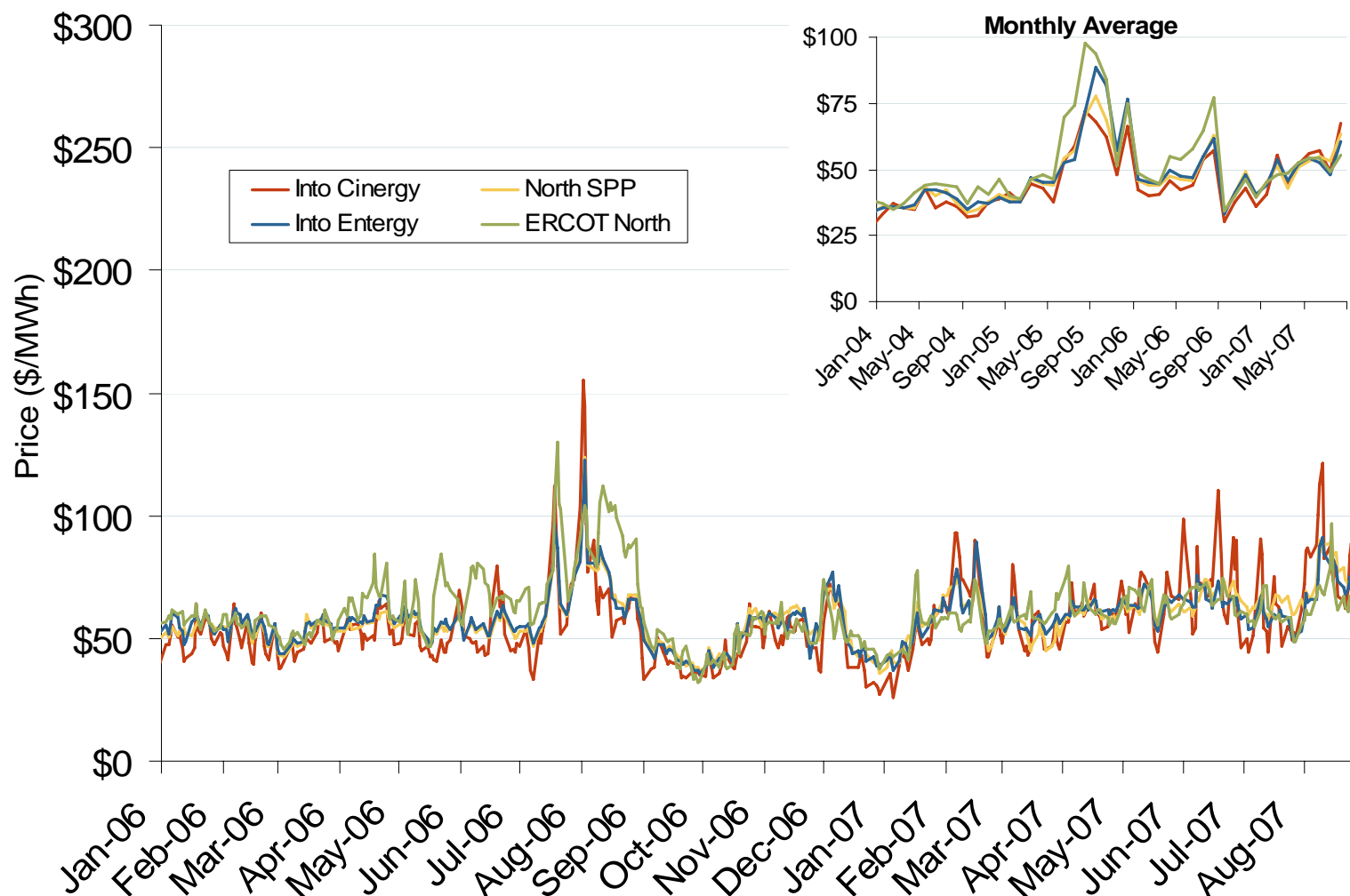
## Daily Average of SPP Real Time Prices - All Hours



Source: Derived from SPP data.

Updated September 7, 2007

## Midwestern Daily Bilateral Day-Ahead On-Peak Prices

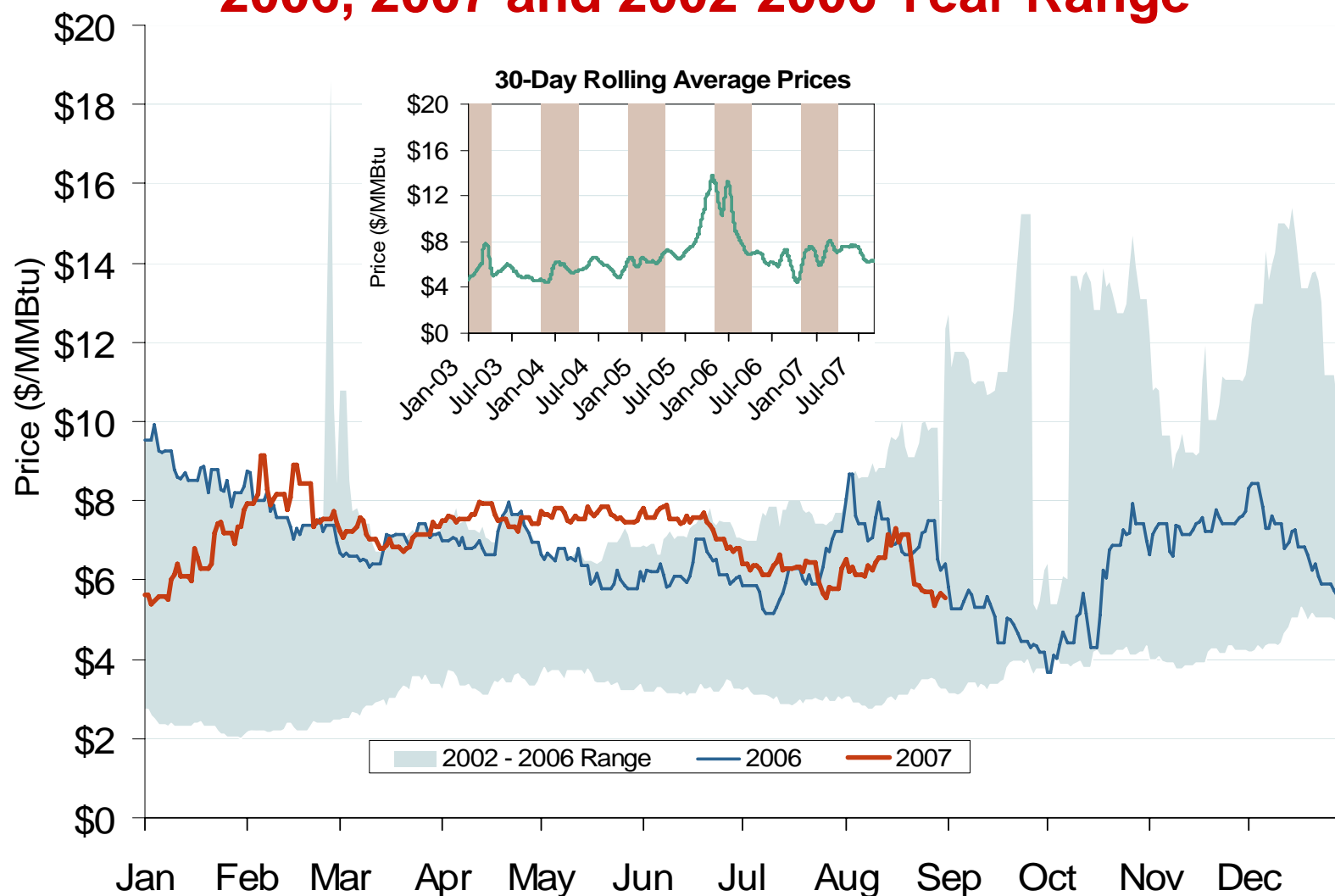


Source: Derived from *Platts* data.

Updated September 7, 2007

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## Henry Hub Natural Gas Daily Spot Prices 2006, 2007 and 2002-2006 Year Range

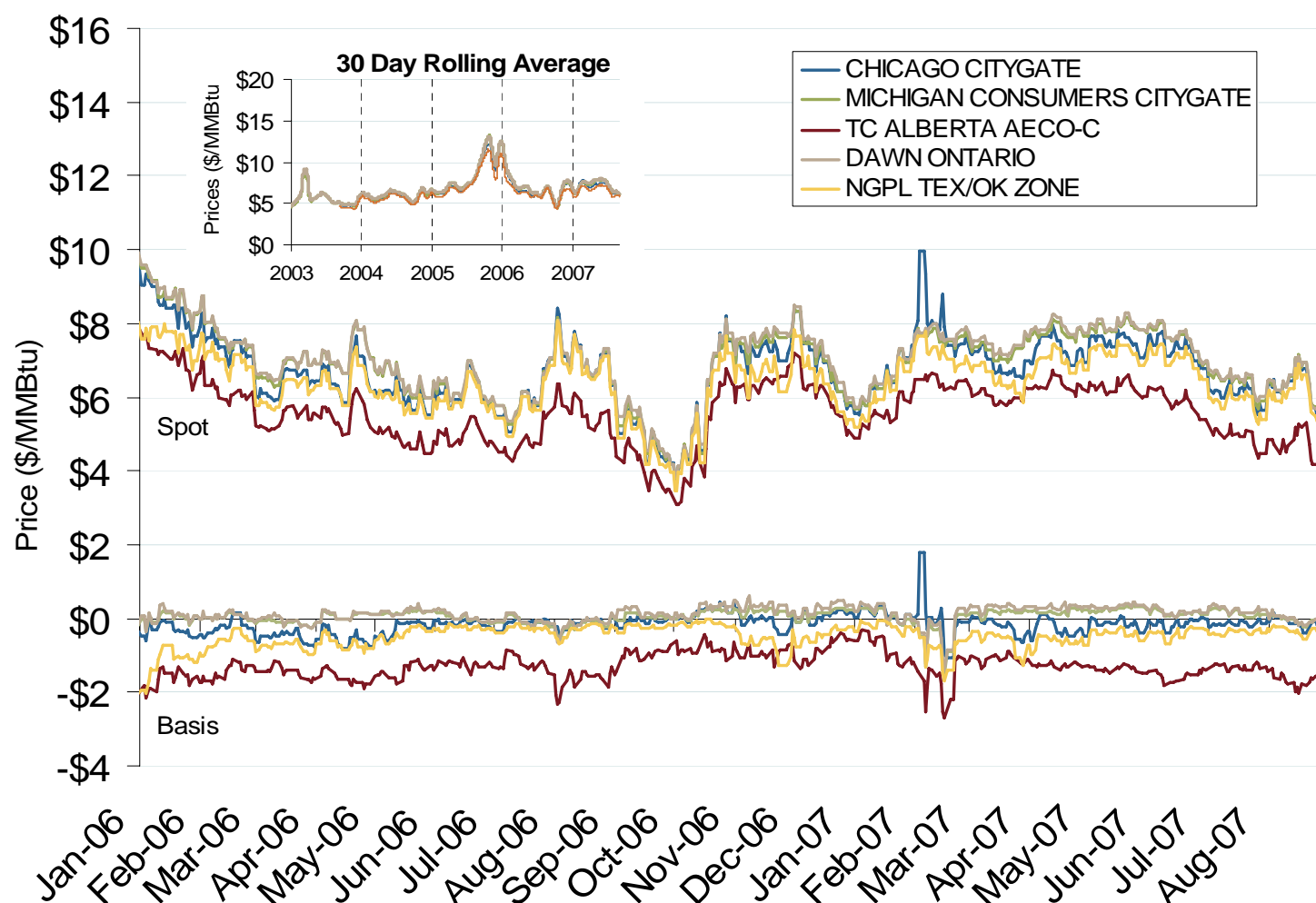


Source: Derived from Platts data.

Updated September 7, 2007



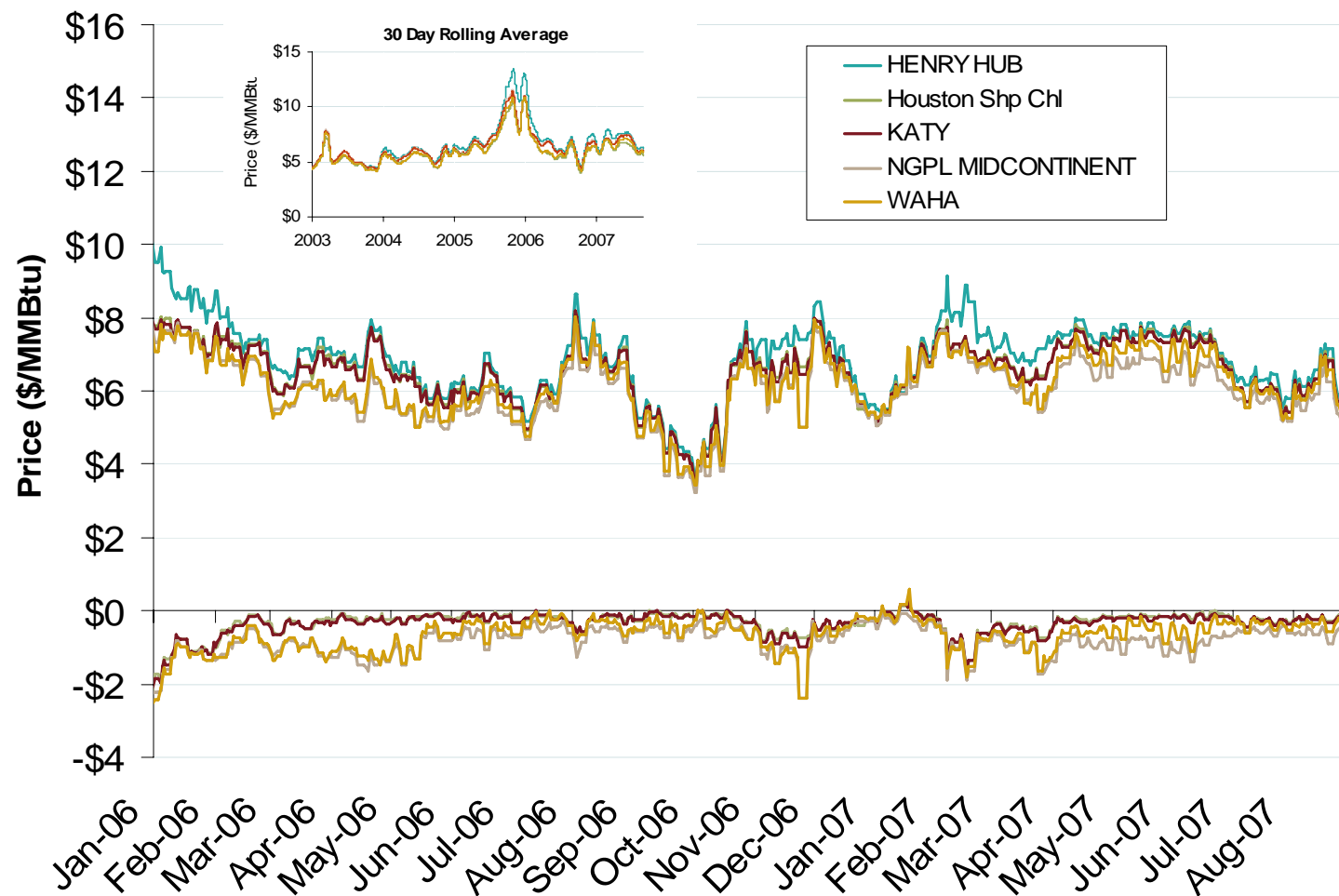
## Midwestern Day-Ahead Hub Spot Prices and Basis



Source: Derived from Platts data.

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2016

## South Central Day-Ahead Hub Spot Prices and Basis



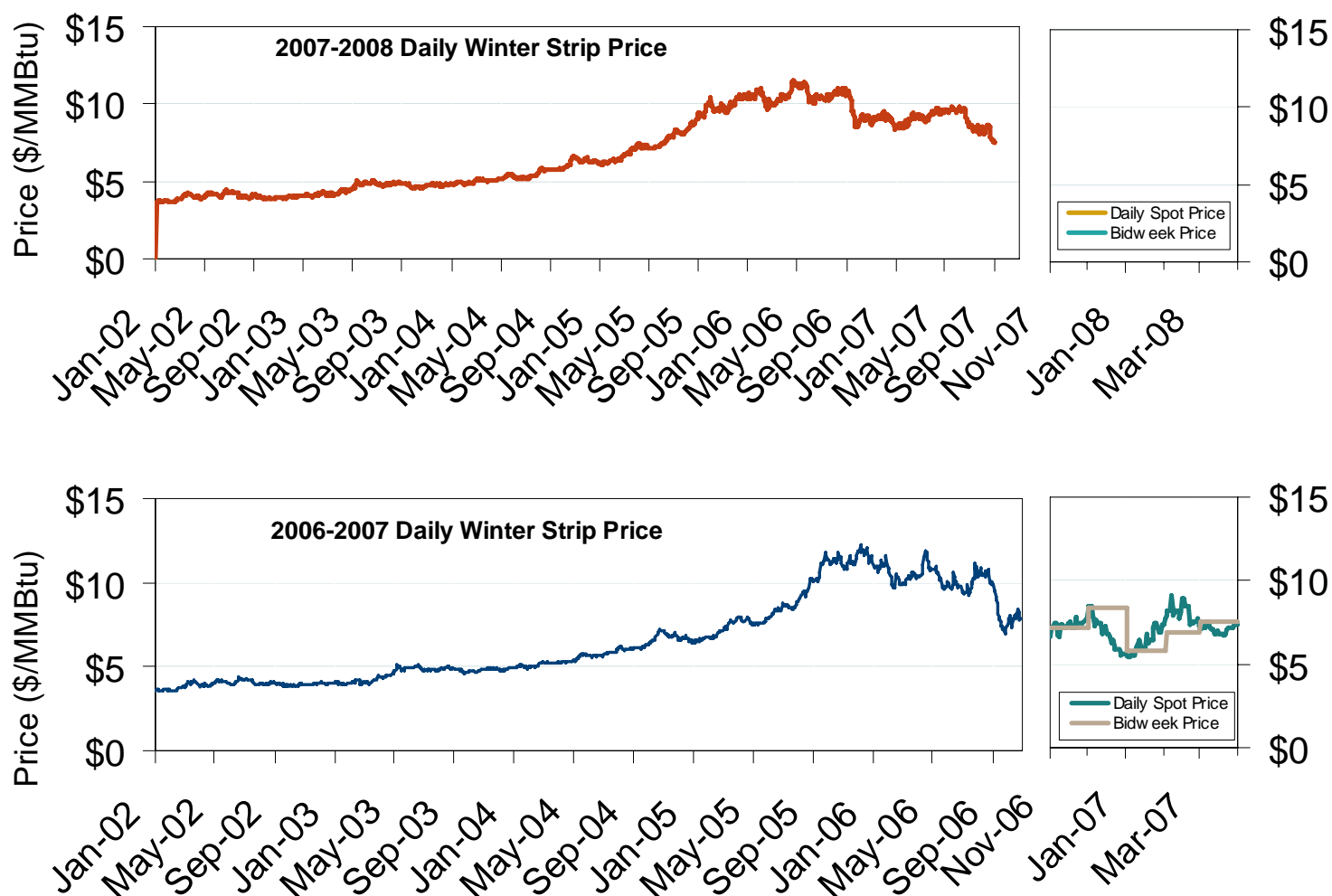
Source: Derived from *Platts* data.

Updated September 7, 2007

2044

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## Natural Gas Winter Futures Strip and Daily Henry Hub Spot and Bidweek Prices

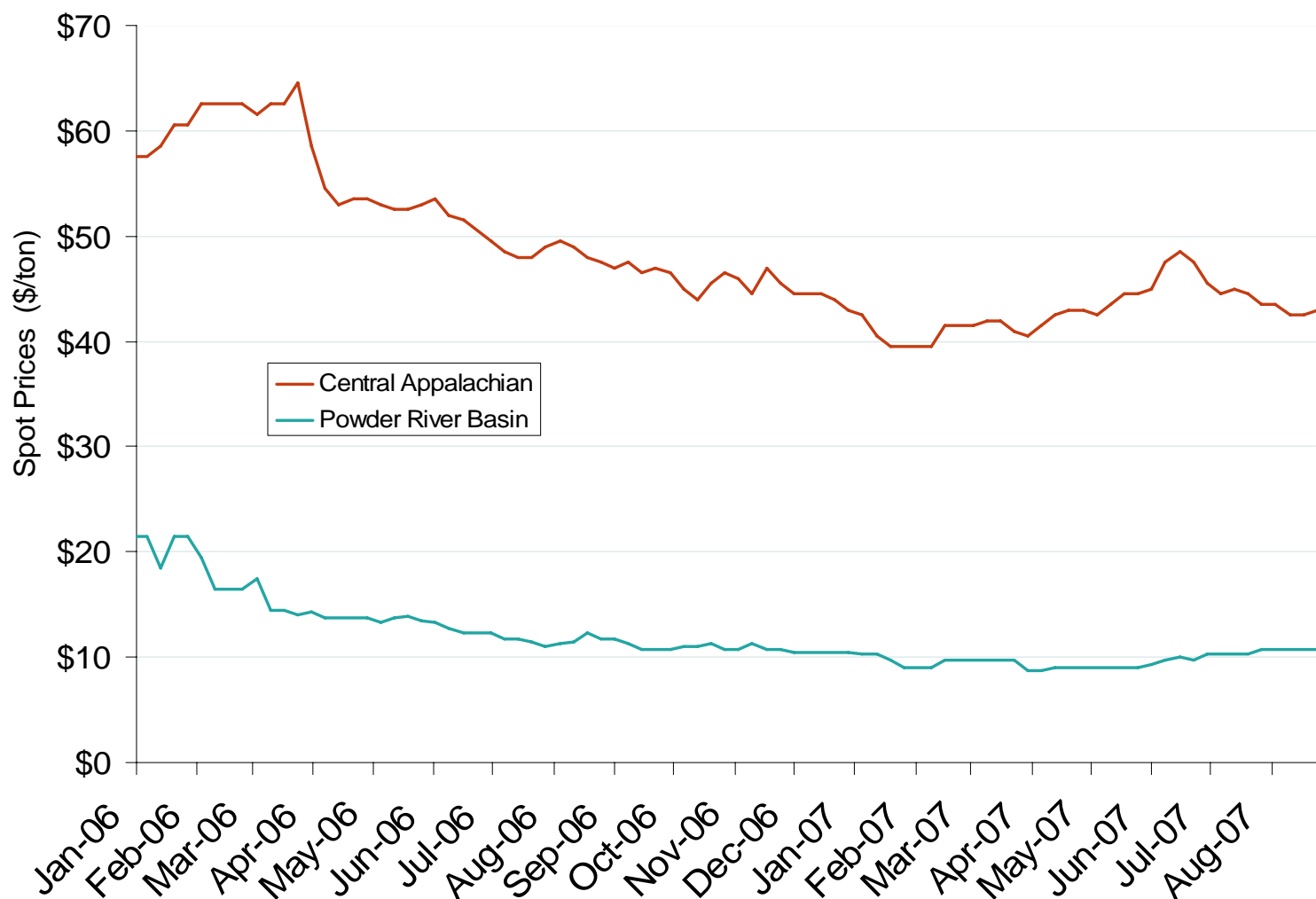


Source: Derived from Platts and Nymex data.

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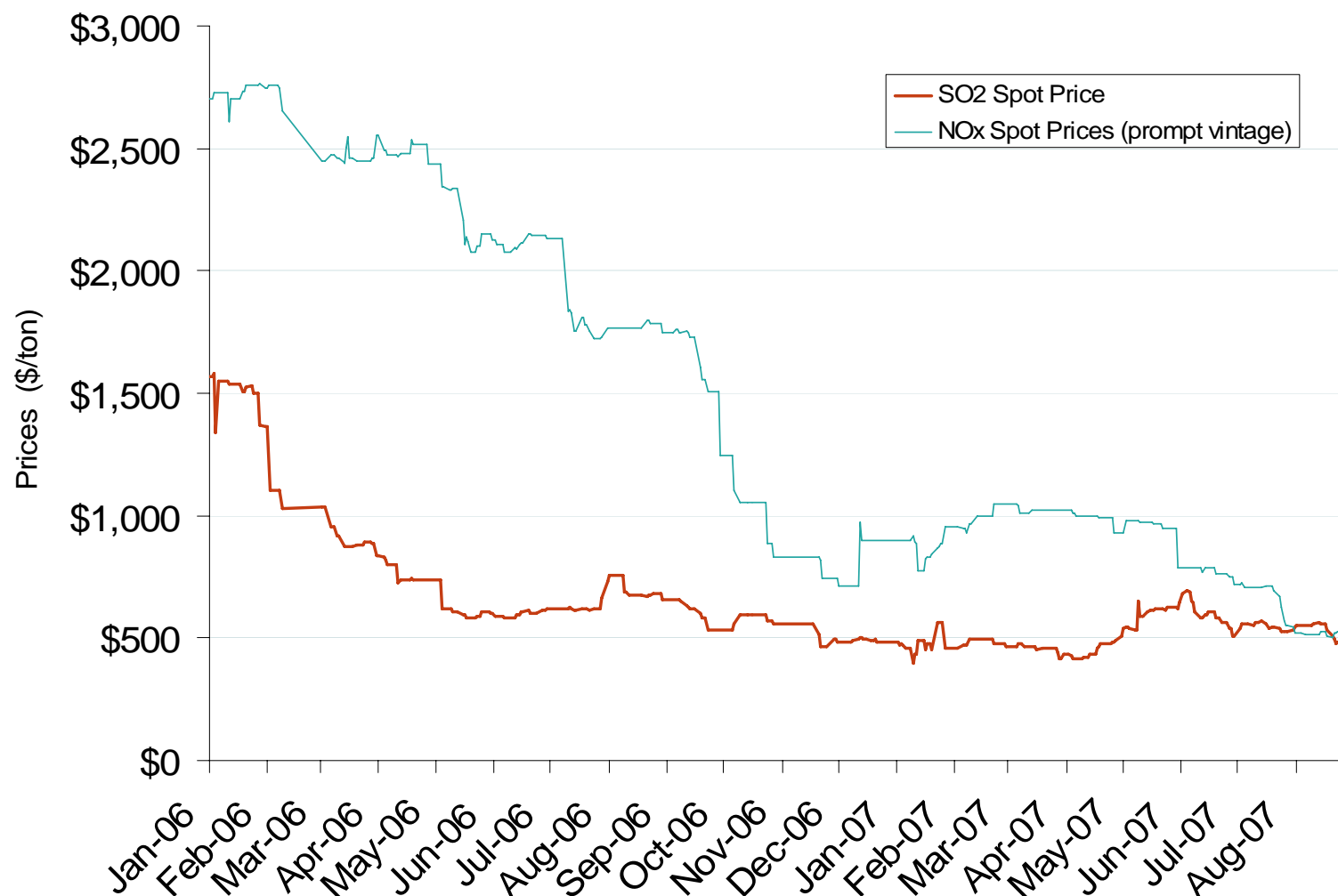
## Central Appalachian and Powder River Basin Coal Prices



Source: Derived from *Bloomberg* data.

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3002

## SO<sub>2</sub> and NO<sub>x</sub> Allowance Spot Prices

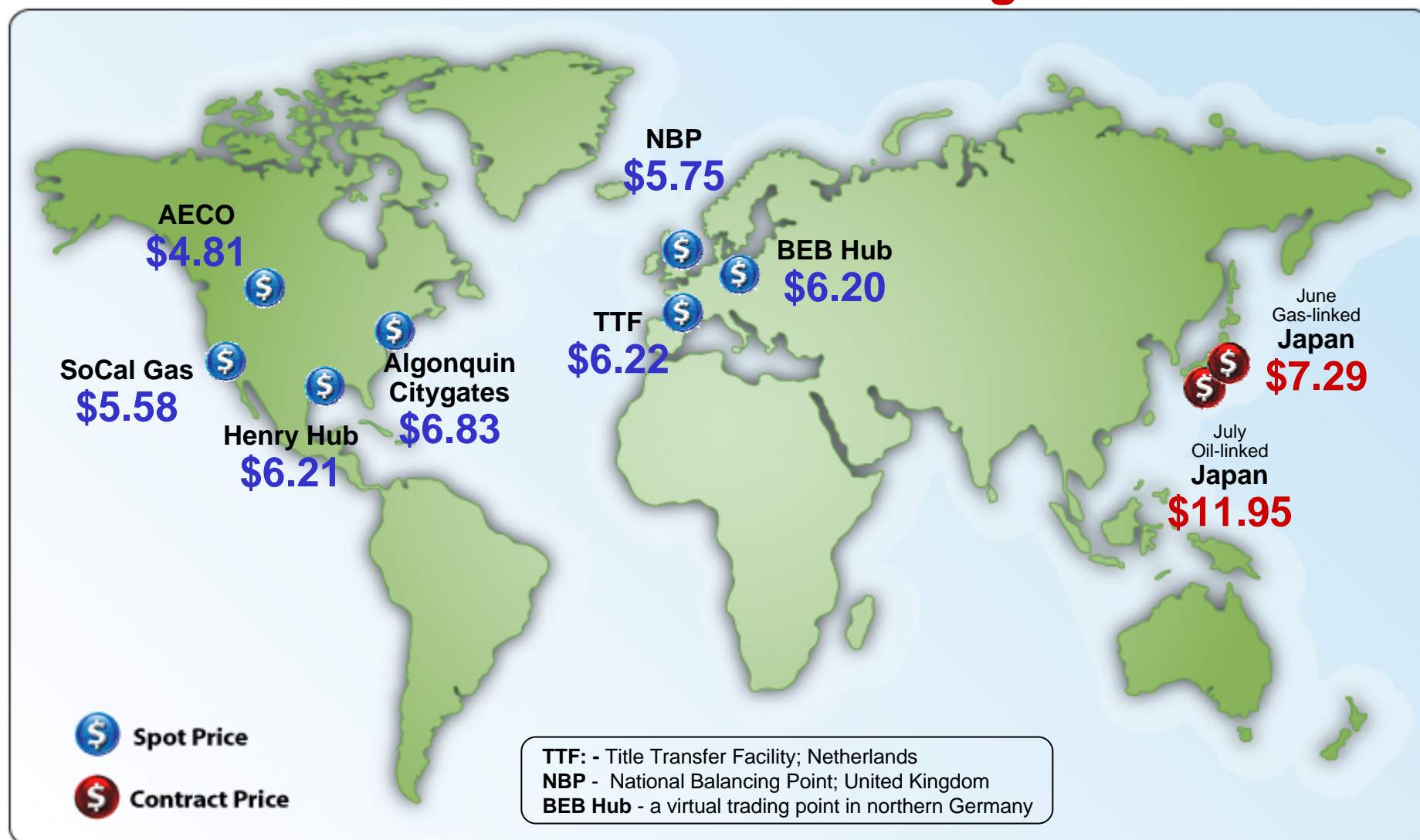


Source: Derived from *Cantor Fitzgerald* data.

See notes on following pages.

Updated September 7, 2007

## World Natural Gas Prices for August 2007



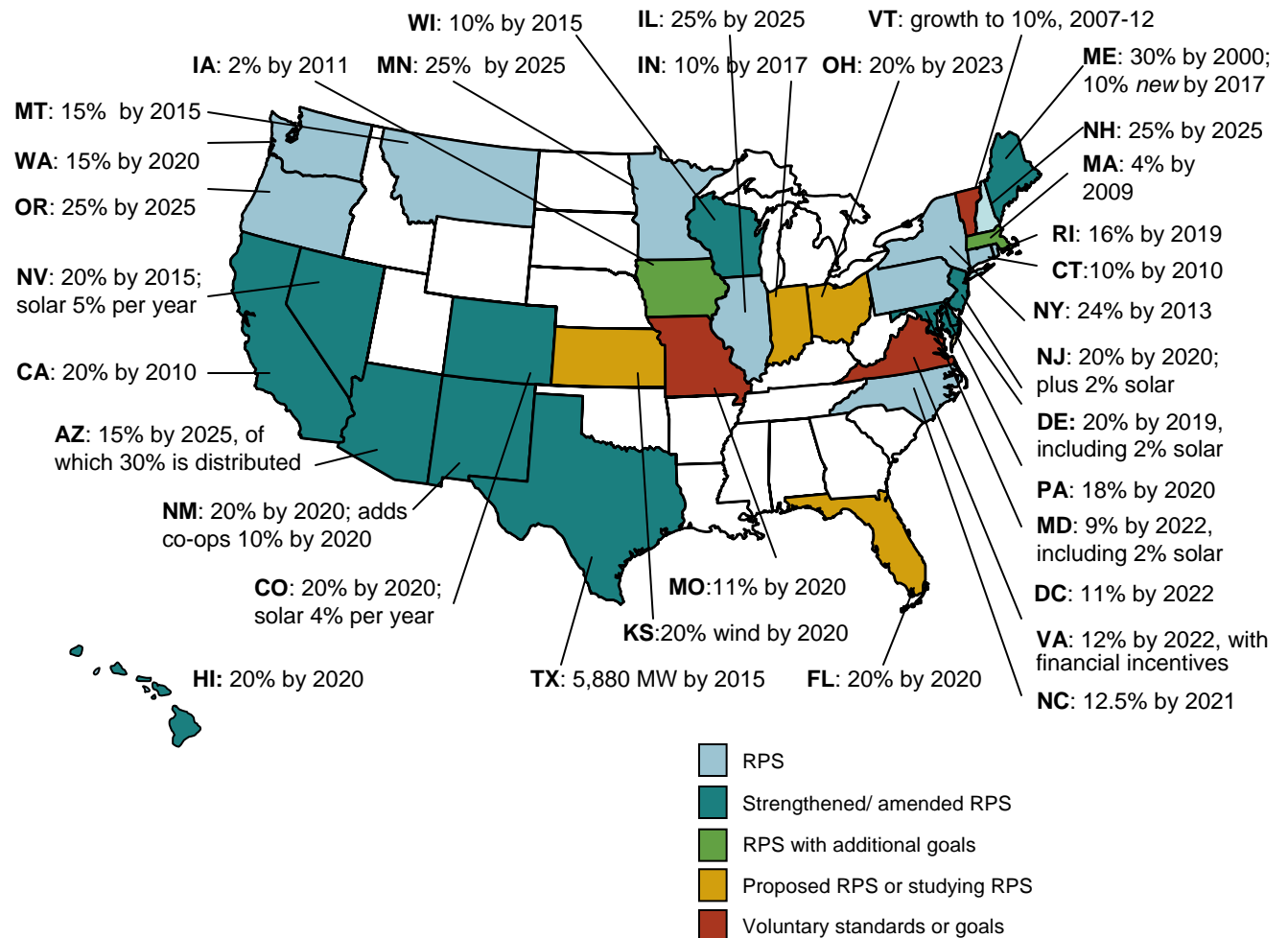
Source: Derived from *Bloomberg, ICE, ICAP and LNG Japan Corp.* data. Spot Price is a monthly average of daily prices. Contract Price is a monthly price. All prices in \$US/MMBtu.

Updated September 7, 2007

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## Renewable Energy Portfolio Standards (RPS)

- A RPS requires a percent of energy sales or installed capacity to come from renewable resources.
- 25 states and DC now have renewable energy standards. Three more have goals. This summer, North Carolina enacted an RPS, Delaware doubled its requirement, Illinois and Maine turned goals into law, and Missouri enacted a goal.
- States that adopted transmission planning and cost recovery policies to support new renewable generation include California, Colorado, Minnesota, New Mexico, and Texas.



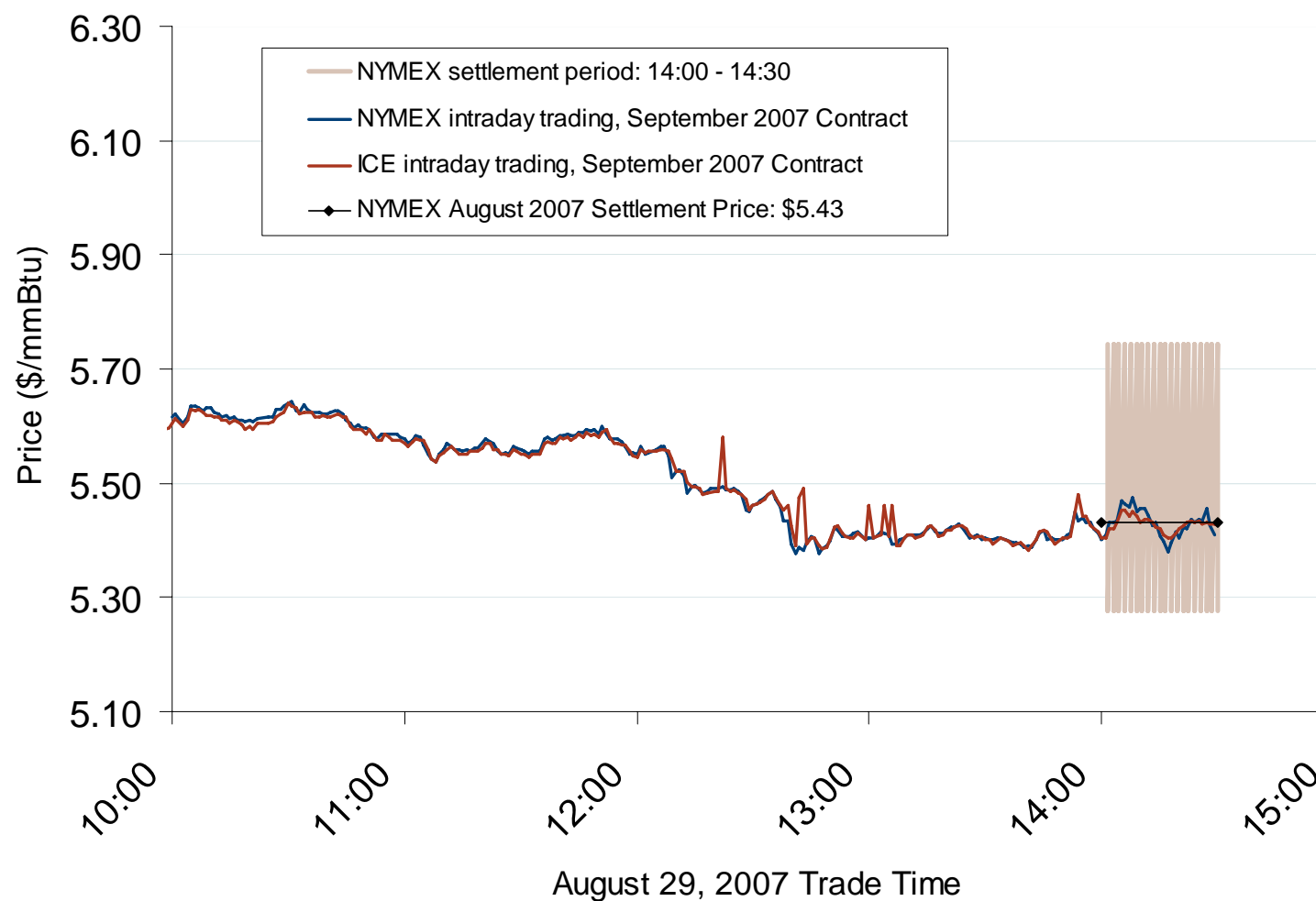
**Notes:** Minnesota's requirement for Xcel Energy exceeds the state's: it is 30% by 2020; Alaska has no RPS.

**Sources:** Derived from data in: EEI, EIA, LBNL, PUCs, State legislative tracking services, Database of State Incentives for Renewables and Efficiency, and the Union of Concerned Scientists.

Updated August 30, 2007

1109

## September 2007 NYMEX and ICE Contract Final Settlement Day



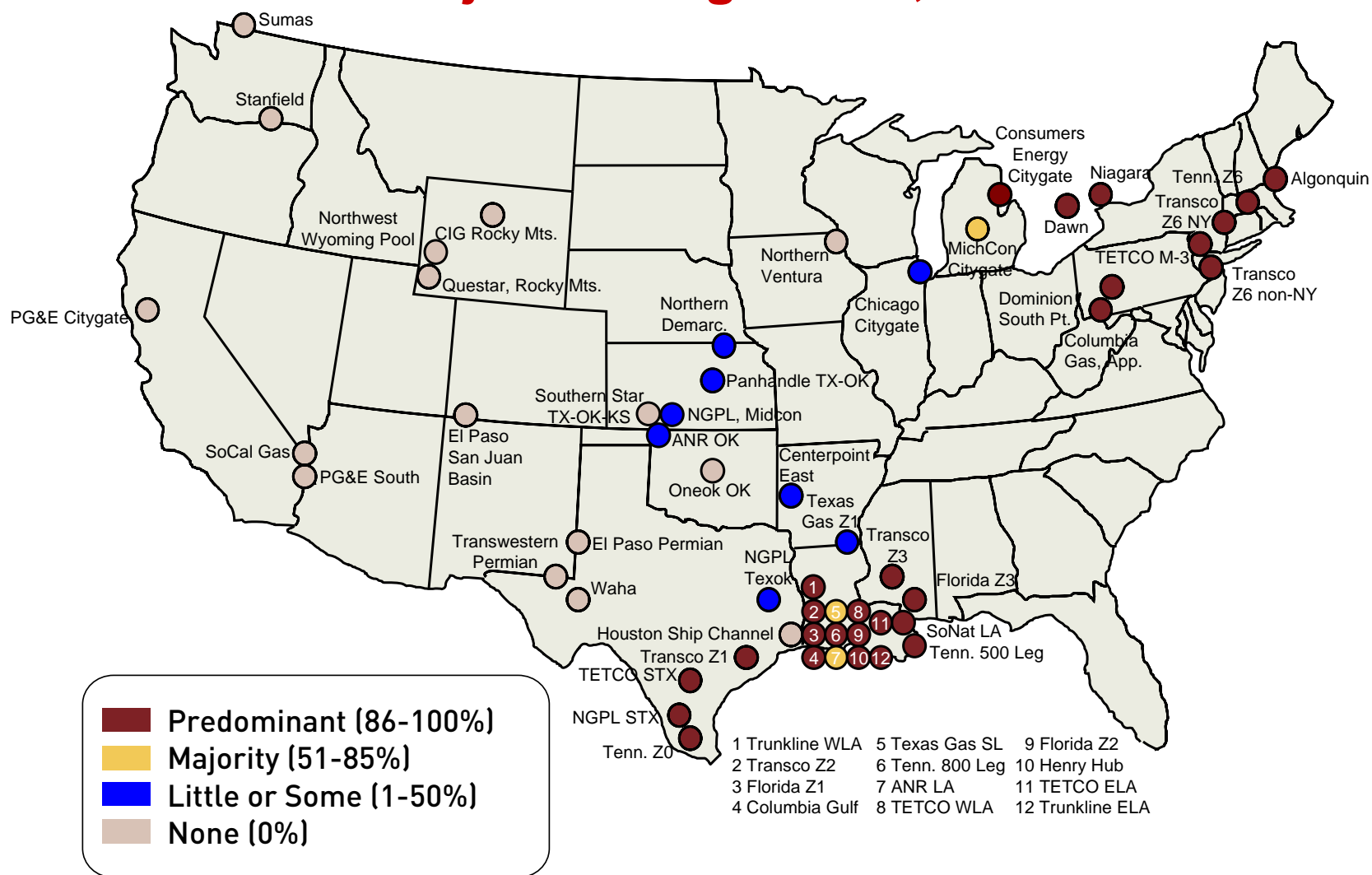
Source: Derived from Nymex and ICE data.

Created September 6, 2007

2166



## Use of Physical Basis in Natural Gas Price Indices at Major Trading Points, 2007



Source: Derived from *Platts* data for January through June 2007.

Updated July 17, 2007

2167